



Rec'd PCT/PTO 10 FEB 2005  
PCT/IB 03/03353 #2  
29.07.03



INVESTOR IN PEOPLE

**PRIORITY DOCUMENT**  
SUBMITTED OR TRANSMITTED IN  
COMPLIANCE WITH  
RULE 17.1(a) OR (b)



The Patent Office  
Concept House  
Cardiff Road  
Newport  
South Wales  
NP10 8QQ

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

In accordance with the rules, the words "public limited company" may be replaced by p.l.c., plc, P.L.C. or PLC.

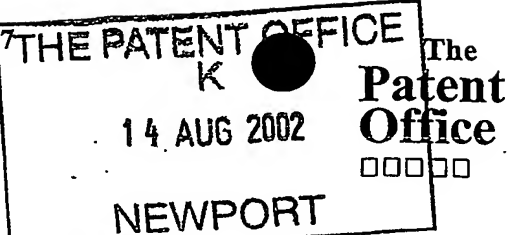
Re-registration under the Companies Act does not constitute a new legal entity but merely subjects the company to certain additional company law rules.

Signed

*AmBensus*

Dated 28 May 2003

**BEST AVAILABLE COPY**



1/77

**Request for grant of a patent**

(See notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office  
Cardiff Road  
Newport  
Gwent NP10 8QQ

Your reference

PHGB020130

14AUG02 E740833-1 D03008

P01/7700 0.00-0218858.9

Patent application number

(The Patent Office will fill in this part)

0218858.9

14 AUG 2002

Full name, address and postcode of the or of each applicant (underline all surnames)

KONINKLIJKE PHILIPS ELECTRONICS N.V.  
GROENEWOUDSEWEG 1  
5621 BA EINDHOVEN  
THE NETHERLANDS

Patents ADP Number (*if you know it*)

7419294001

If the applicant is a corporate body, give the country/state of its incorporation

THE NETHERLANDS

Title of the invention

HOLDER FOR A STORAGE MEDIUM

Name of your agent (*if you have one*)

STEVE TOWNSEND

"Address for service" in the United Kingdom to which all correspondence should be sent (*including the postcode*)

Philips Intellectual Property and Standards  
Cross Oak Lane  
Redhill  
Surrey RH1 5HA

Patents ADP number (*if you know it*)

8359655001

If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (*if you know it*) the or each application number

Country

Priority Application number  
(*if you know it*)

Date of filing  
(*day/month/year*)

If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing  
(*day/month/year*)

Is a statement of inventorship and of right to grant of a patent required in support of this request? (*Answer "Yes" if:*

YES

- a) any applicant named in part 3 is not an inventor, or
- b) there is an inventor who is not named as an applicant, or
- c) any named applicant is a corporate body.

See note (d))

Patents Form 1/77

Enter the number of sheets for any of the following items you are filing with this form.  
Do not count copies of the same document.

Continuation sheets of this form

Description

Claims(s)

Abstract

Drawings

3

1

1

1

ONLY

RN

If you are also filing any of the following, state how many against each item:

Priority Documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 9/77)

Request for substantive examination (Patents Form 10/77)

Any other documents

(Please specify)

I/We request the grant of a patent on the basis of this application.

Signature

Stannsenel

Date

13/08/02

2. Name and daytime telephone number of person to contact in the United Kingdom

01293 815339

(S: Townsend)

Warning

~~After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you live in the United Kingdom, Section 23 of the Patents Act 1977 stops you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.~~

Notes

- 1) If you need help to fill in this form or you have any questions, please contact the Patent Office on 0645 500505.
  - 2) Write your answers in capital letters using black ink or you may type them.
  - 3) If there is not enough space for all the relevant details on any part of this form, please continue on a separate sheet of paper and write "see continuation sheet" in the relevant part(s). Any continuation sheet should be attached to this form.
  - 4) If you have answered "Yes" Patents Form 7/77 will need to be filed.
  - 5) Once you have filled in the form you must remember to sign and date it.
- For details of the fee and ways to pay please contact the Patent Office.

## DESCRIPTION

## HOLDER FOR A STORAGE MEDIUM

5           This invention relates to a holder for a computer readable storage medium.

          Royal Philips Electronics of the Netherlands (hereafter "Philips") is presently developing miniature optical disc drives using blue laser technology  
10       which can store up to 1 Gigabyte of data on a single-sided removable, optical disc of just 30mm in diameter. This work is further described in Philips' press release entitled "Philips Develops Technology for Small Form Factor Optical Storage" dated 18 June, 2002 and available from Philips's website at [www.newscenter.philips.com](http://www.newscenter.philips.com).

15           With their integral housing, these "small form factor" optical discs have external dimensions of approximately 30mm x 40mm x 2.5mm and are ideal for storage applications which have size constraints such as in digital cameras, mobile phones, PDAs etc. However, when removed from the disc drive, these discs are sufficiently small as to present a handling problem. Such discs could  
20       of course be stored using miniaturised versions of the jewel case, the original case designed by Philips for Compact Discs (CDs), or indeed a miniaturised version one of the many variations on the jewel case that have been developed over recent years.

          European patent application, publication number EP1103976A1 and  
25       PCT patent application, publication number WO01/81206A1 both disclose a holder to which a computer readable storage medium can be detachably attached. In particular, WO01/81206A1 contemplates a holder for a digital business card being a CD which has been cut down or re-sized as to approximate the dimensions of a contemporary European business card.

30

          It is an object of the present invention to provide a novel holder, either to which a computer readable storage medium can be detachably attached or

in which a computer readable storage medium can be encased

In accordance with the present invention, such a holder provided having a planar shape, ideally with a thickness of less than 5mm, and a size  
5 corresponding to that of a standard credit card and / or standard business card.

Such a holder would enable a small, computer readable storage medium to be stored in a wallet and, in particular, a compartment specifically provided for the safe storage of a credit and / or business card in a wallet as  
10 already exists.

At least in the United Kingdom, the standard credit card and / or standard business card has a substantially rectangular shape with planar dimensions of 85 mm to 86 mm by 54 to 55 mm although, of course, credit cards which are commonly made from rigid plastic often have rounded edges.

Where a substantially planar shaped, computer readable storage medium is detachably attached to or encased in the holder, the planar area of the holder may be at least 75%, 100% or even 200% greater than the planar area of the computer readable storage medium. Notwithstanding further miniaturisation of computer readable storage media, the prevalence of the  
15 credit card and / or the business card means that it will be desirable to have a  
20 holder which retains its planar size and shape.

Furthermore, it is conceivable that where a computer readable storage medium is small enough, a holder may be provided whereby at least two such media can be detachably attached.

25

The present invention will now be described, by way of example only, with reference to the accompanying drawings in which:

Figures 1A and 1B respectively show in plan and elevation views, the outside of an aforementioned "small form factor" disc with integral casing;

30

Figures 2A and 2B respectively show a section A-A and an elevation view of a holder according to the present invention to which an optical disc casing of the type shown in figures 1A and 1B can be detachably attached;

and

Figure 3 shows an alternative holder according to the present invention.

Figures 1A and 1B show a "small form factor" optical disc 10 with  
5 integral casing of the type currently being developed by Philips and having  
dimensions of approximately 40mm x 30mm x 2mm.

A holder 20 for storing a disc 10 of the type shown in figures 1A and 1B  
is shown in figures 2A and 2B. The holder is substantially planar in shape and  
has planar dimensions of 86mm x 55mm, corresponding to the standard size  
10 for a European business card. The holder has an aperture 21 corresponding to  
the shape of the disc and lips 22, 22' either side of the aperture suitable for  
restraining the disc in the aperture.

The holder 20 is plastic and mildly deformable so as to enable the disc  
10 to be pressed in to and popped out of the aperture from one side of the  
15 holder. The absence of lips along axis B-B which passes through the centre of  
the card, parallel with the longest planar dimension encourages the card to  
deform along this axis under appropriate stress to facilitate attaching and  
detecting a disc to the holder. The lips may themselves be mildly deformable.

Figure 3 shows an alternative holder according to the present invention  
20 employing the same fastening arrangement as the holder shown in figures 2A  
and 2B but able to detachably attach discs of the type shown in figures 1A and  
1B.

Whilst the aforementioned holders expose both sides of the disc to the  
environment, it would of course be possible to fully encase a disc of the type  
25 shown in figures 1A and 1B in a jewel type case or any other type of case  
having a size corresponding to that of a standard credit card and / or standard  
business card.

Also, whilst the above holder is described in the context of an optical  
disc storage medium, it will be appreciated that the invention is equally  
30 applicable to other types of storage media including magnetic disc storage and  
solid state storage.

## CLAIMS

1. A holder either to which a computer readable storage medium can be detachably attached or in which a computer readable storage medium  
5 can be encased, the holder having a planar shape and a size corresponding to that of a standard credit card and / or standard business card.

2. A holder according to claim 1 having a substantially rectangular shape with planar dimensions of 85 mm to 86 mm by 54 to 55 mm.  
10

3. A holder according to claim 1 having a thickness of less than 5mm.

4. A holder according to claim 1 to which a substantially planar  
15 shaped, computer readable storage medium can be detachably attached, wherein the planar area of the holder is at least 75% greater than the planar area of the computer readable storage medium

5. A holder according to claim 4 wherein the planar area of the  
20 holder is at least 100% greater than the planar area of the computer readable storage medium.

---

~~6. A holder according any preceding claim to which at least two~~  
computer readable storage media can be detachably attached

## ABSTRACT

**HOLDER FOR A STORAGE MEDIUM**

5        A holder (20) either to which a computer readable storage medium (10) can be detachably attached or in which a computer readable storage medium can be encased is disclosed, the holder having a planar shape and a size corresponding to that of a standard credit card and / or standard business card. In particular, the holder may have a substantially rectangular shape with  
10    planar dimensions of 85 mm to 86 mm by 54 to 55 mm.

[figures 2A, 2B]



1/1

FIG. 1A

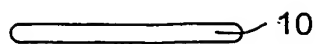


FIG. 1B

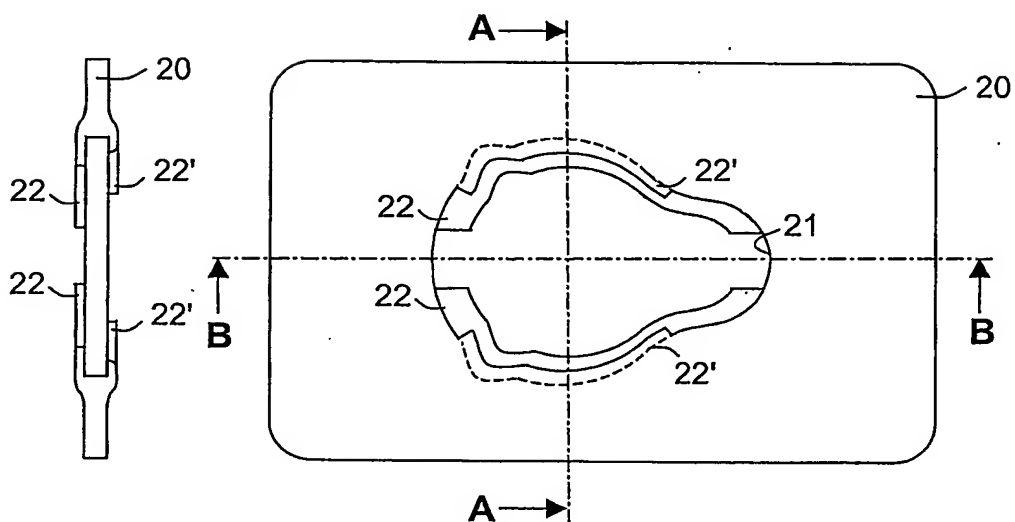
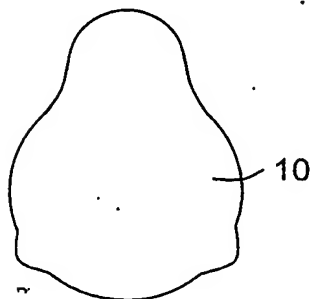


FIG. 2A

FIG. 2B

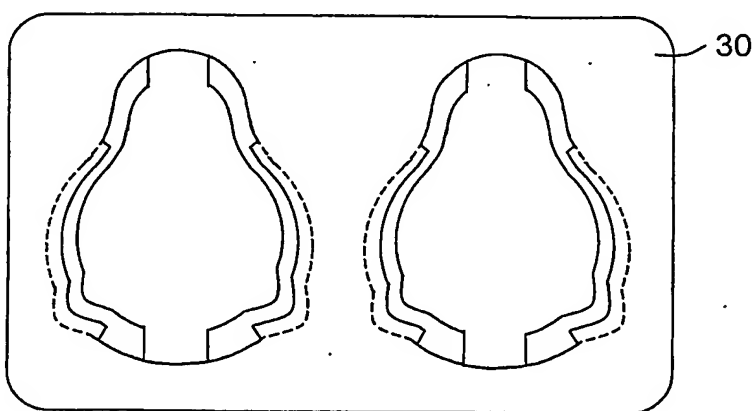


FIG. 3

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☒ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**